100

CPU — *104*

SUPPORT COMPONENTS — *106*

SPELL CHECK PROCESSOR — *112*

— *110*

MEMORY

SPELLING TABLE STORAGE — *114*

SPELL CHECK SOFTWARE — *116*

WORD PROCESSOR — *118*

DOCUMENT — *120*

I/O CIRCUITS — *108*

I/O DEVICES — *102*

Fig. 1

	PRE *210*	POST *220*	CHANGED *230*
R21	WE	WE	NO
R22	ARE	ARE	NO
R23	GOING	GOING	NO
R24	TO	TO	NO
R25	AND	AN	YES
R26	OPEN	OPEN	NO
R27	HOUSE	HOUSE	NO
R28	TO	TO	NO
R29	CELEBRATE	CELEBRATE	NO

202 — USER NAME

— *200*

Fig. 2

	WORD	PRIORITY	COLOR	NUMBER OF CHANGES	REPLACEMENT WORD
	310	*320*	*330*	*340*	*350*
R31	AND	1	RED	2	AN
R32	THEY'RE	2	BLUE	1	THEIR
R33	THERE	2	BLUE	1	THEIR
R34	THEIR	2	BLUE	1	THERE

202 — | USER NAME |

— 300

Fig. 3

(START)— 502

| SHORTCUT FLAG |— 504

| ENTER PROBLEM WORD |— 506

| SCAN TEXT AND HIGHLIGHT WORDS |— 508

| EDIT WORD |— 510

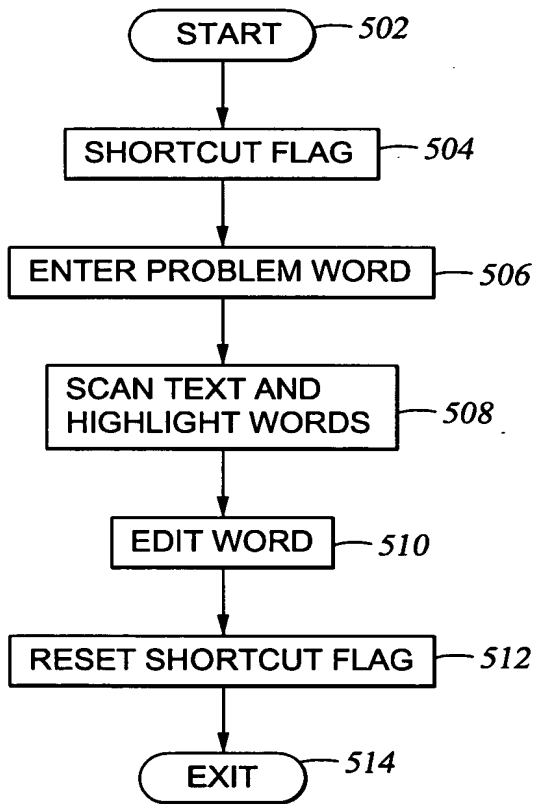| RESET SHORTCUT FLAG |— 512

(EXIT)— 514

Fig. 5

— 500

— 600

THOMAS **AND**
EAGLE WENT TO
THE STORE

Fig. 6A

— 600

THOMAS AN
EAGLE WENT TO
THE STORE

Fig. 6B

START — 402

401

403

ENTER USER NAME — 404

RETRIEVE PRE/POST ANALYSIS TABLE — 406

RETRIEVE PROBLEM WORD TABLE — 420

SET "PRE" FLAG — 408

EDIT DOCUMENT — 410

SET "POST" FLAG — 412

DOES CHANGED WORD EXIST IN PROBLEM TABLE ? — 422

NO

YES

COMPARE PRE AND POST FIELDS — 414

ADD CHANGED WORD TO "WORD" FIELD OF PROBLEM TABLE — 428

GENERATE AND POPULATE "CHANGE FIELD" — 416

INCREASE THE NUMBER OF CHANGED FIELDS IN PROBLEM WORD TABLE — 424

418 — ANY WORDS CHANGED ? — 418

YES

DO ANY MORE CHANGED WORDS EXIST ? — 426

YES

NO

NO

EXIT — 430

400

Fig. 4